



ATR 72-600

The first choice for operators

ATR

Leader in the regional segment Diverse and strong customer base



+1,600
aircraft
delivered



200
operators
around the world



100
countries
around the world



+1,300
airports
served
worldwide



+100
new routes
opened annually

* Figures for the entire ATR family

Continuous product innovation



Comfort
From 44 to 78 seats
with outstanding
personal space and
large overhead bins



Versatility
Unpaved runways, short
and narrow runways,
extreme cold, hot & high
environments



Advanced avionics
Newest functionalities
through continuous
development



Latest technology
Clearvision[®]
for better vision
and lateral resolution
based navigation
system (PBN)

Unbeatable economics



**Most fuel
efficient
regional aircraft**
40% less fuel*



**Lower
operating cost**
40% cost per trip
reduction**
20% cost per seat
savings*



**Higher
profitability**
Lowest break-even
load factor in regional
aircraft for higher
profit potential



**Ranked
1st**
Best in regional
aircraft category
for 4 years in a row

* Compared to similar size regional jet



Powered by new PW127XT engines



-20%
Direct
Maintenance Cost



-3%
Block Fuel



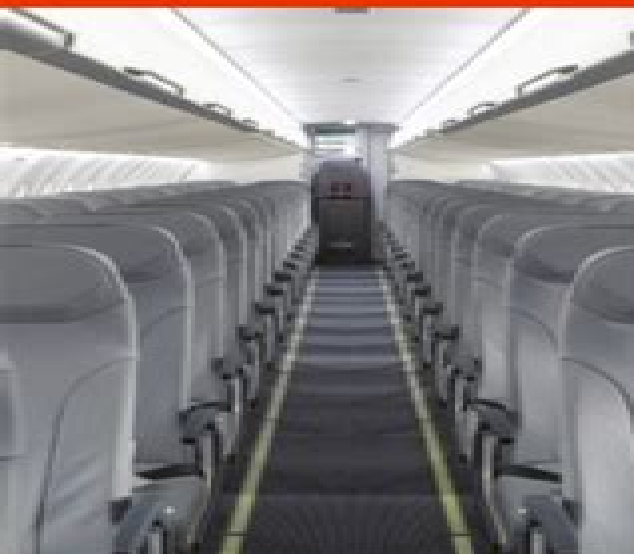
-170 tonnes
CO₂ per year



ATR 72-600

The first choice for operators

ATR



Standard configuration

72 seats at 29" pitch



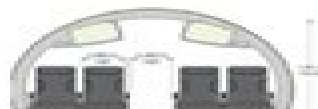
Legend: Cabin width, Seating, Seats, Passenger, Passenger/Service

ENGINES

Pratt & Whitney Canada	PW127XJ-M
Power	2,750 SHP

WEIGHTS

Max take-off weight	22,000 kg	48,500 lb
Max landing weight	22,000 kg	48,500 lb
Max zero fuel weight	20,000 kg	44,294 lb
Operational empty weight (basic configuration)	13,400 kg	29,543 lb
Max payload	7,400 kg	16,313 lb
Max fuel load	8,000 kg	17,634 lb



AIRFIELD PERFORMANCE

Take-off field length

+Q 1000ft - ISA - Sea Level	1,275 m	4,184 ft
+Q 1000ft for 300 NM - Max Pax - ISA - 0 - Sea Level ¹	1,345 m	4,413 ft

Landing field length

+Q 1000ft - ISA - Sea Level (max 40°C)	915 m	3,002 ft
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EN-ROUTE PERFORMANCE

Cruise speed	870 KIAS	
Max cruise speed (no cabin, sea level)	870 KIAS	900 km/h
Fuel consumption (no cabin, sea level)	630 kg/h	1400 lb/h
One engine-out max ceiling (no cabin, sea level)	2,800 m	9,186 ft
Range with max payload	740 NM	1,370 km

Standard routes ¹	200 NM	300 NM	400 NM
Block fuel	624 kg - 1,375 lb	869 kg - 1,916 lb	1,094 kg - 2,408 lb
CO ₂ emissions	1,971	2,751	3,531
Block time	00:52	01:24	01:47

ENVIRONMENTAL PERFORMANCE

CO ₂ per seat/km ¹	49 g	5.75 lb
NO _x per Landing and Take-off cycle	3.4 kg	7.5 lb
Noise certification (ICAO Ch 4) margin ¹	-5.7 EPNdB	

Digital version



Atr 72 Performance Manual

R Barnett



Atr 72 Performance Manual:

Safe take-off with runway analyses Boris Urbanek, 2013-06-01 The economic situation of the recent years forces to operate aircraft at highest payloads possible and to load it at its maximum allowable take off masses Therefore take off performance optimization is nowadays as important as never before This book offers a summary of factors affecting the maximum take off mass and appropriate take off speeds which together represent necessary performance data for a safe take off These are usually presented in so called runway analyses That is the reason why this book might be of interest for flight operations engineering personnel or pilots as it answers possible questions about the application and computing of the runway analyses **Aircraft Accident Report**, 197? **Advanced Aircraft Flight Performance** Antonio

Filippone, 2012-12-17 This book discusses aircraft flight performance focusing on commercial aircraft but also considering examples of high performance military aircraft The framework is a multidisciplinary engineering analysis fully supported by flight simulation with software validation at several levels The book covers topics such as geometrical configurations configuration aerodynamics and determination of aerodynamic derivatives weight engineering propulsion systems gas turbine engines and propellers aircraft trim flight envelopes mission analysis trajectory optimisation aircraft noise noise trajectories and analysis of environmental performance A unique feature of this book is the discussion and analysis of the environmental performance of the aircraft focusing on topics such as aircraft noise and carbon dioxide emissions

Modelling and Managing Airport Performance Konstantinos Zografos, Giovanni Andreatta, Amedeo Odoni, 2013-06-17 Modelling and Managing Airport Performance provides an integrated view of state of the art research on measuring and improving the performance of airport systems with consideration of both airside and landside operations The considered facets of performance include capacity delays economic costs noise emissions and safety Several of the contributions also examine policies for managing congestion and allocating sparse capacity as well as for mitigating the externalities of noise emissions and safety risk Key features Provides a global perspective with contributing authors from Europe North and South America with backgrounds in academia research institutions government and industry Contributes to the definition interpretation and shared understanding of airport performance measures and related concepts Considers a broad range of measures that quantify operational and environmental performance as well as safety and risk Discusses concepts and strategies for dealing with the management of airport performance Presents state of the art modelling capabilities and identifies future modelling needs Themed around 3 sections Modelling Airport Performance Assessing Airport Impacts and Managing Airport Performance and Congestion Modelling and Managing Airport Performance is a valuable reference for researchers and practitioners in the global air transportation community *Twentieth Army Science Conference - Award Winning Papers* Michael S Shur, Michael A Strosio, Richard Chait, Catherine Kominos, James J Valdes, 1997-06-19 This important volume contains the 21 prize winning papers presented at the Twentieth United States Army Science Conference

under the sponsorship of the Assistant Secretary of the Army for Research Development and Acquisition The theme of the conference was Science and Technology for Force XXI the Force of the Twenty First Century Original scientific and technical papers written by U S Army civilian and military scientists and engineers addressed the role of science and technology in providing a competitive edge for Force XXI The papers in this book are in the following key technical areas advanced materials and manufacturing including structures and energetics microelectronics and photonics sensors and information processing including communications high performance computing and simulation including modeling displays artificial intelligence and virtual reality advanced propulsion technologies including mobility and lethality power generation storage and conditioning including directed energy biological chemical and nuclear defense life medical and behavioral sciences including individual sustainability and soldier system interface environmental sciences and geosciences including atmospheric space and environmental protection engineering sciences including robotics mechanics fluid dynamics and survivability **Federal Register** ,2007-08 Scientific and Technical Aerospace Reports ,1994 Global Aviation English Research Eric Friginal,Malila Prado,Jennifer Roberts,2024-12-12 Advocating for best practices within aviation English language research this volume offers deeper insights into the practical policy based and societal contexts in which International Civil Aviation Organization ICAO language standards are embedded English is the official language for international pilot air traffic controller ATC communications mandated by the ICAO It is also the de facto universal common language for all other forms of communication including the language of maintenance technicians and maintenance manuals aeronautical engineers cabin crew ground staff and aviation business professionals In this book renowned academic experts and aviation professionals come together to explore a variety of research trends providing an effective and efficient analysis of the language needs of the aviation industry its future directions and an extended look at linguistic principles in action Chapters engage in detail with research data case studies and concrete examples of interactional tasks transactional exchanges and radiotelephony They also examine the common vocabulary and phrasal patterns in aviation discourse required to communicate successfully in various roles and contexts within the aviation industry The result is a meaningful contribution to the global development and improvement of standards of aviation research investigations of the role of language in aviation accidents and research into language as a human factor in aviation communications customer service and intercultural mis communication **An Introductory Guide to EC Competition Law and Practice** Valentine Korah,1994 **Clinician's Guide to Validity Assessment and Management in Neuropsychology** , **Government Reports Announcements** ,1973-03 *Catalog of Copyright Entries. Third Series* Library of Congress. Copyright Office,1975 **Flight International** ,1987 **Daily Graphic** , **Government Reports Index** ,1975 Limca Book of Records ,2006 *Government Reports Announcements & Index* ,1991-02 *Flying Magazine* ,1998-11 *Jane's All the World's Aircraft* ,2009 *Report on the Interfaces Between Flightcrews and Modern Flight Deck Systems* United States. Federal

Aviation Administration. Human Factors Team,1996

Whispering the Strategies of Language: An Emotional Quest through **Atr 72 Performance Manual**

In a digitally-driven world wherever displays reign supreme and instant communication drowns out the subtleties of language, the profound techniques and psychological nuances hidden within words frequently go unheard. Yet, situated within the pages of **Atr 72 Performance Manual** a interesting literary value pulsing with raw thoughts, lies an extraordinary quest waiting to be undertaken. Composed by an experienced wordsmith, this marvelous opus invites visitors on an introspective journey, lightly unraveling the veiled truths and profound impact resonating within the very fabric of every word. Within the mental depths with this touching review, we shall embark upon a sincere exploration of the book is primary styles, dissect its fascinating writing style, and succumb to the effective resonance it evokes strong within the recesses of readers hearts.

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